

10 September 2010 – Brooks McCall Report – Cruise 22 - Day 3  
TDI Brooks International (for BP)

Day 3 of Cruise 22 continued tracking the subsurface plume signals as part of Operation Clean Sweep. The day was spent working on two (2) stations in transect T3 (S5, S6,) the coordinates for T3S7 did not fit the grid pattern for the stations already done. No surface oiling was observed today. The vessel is transiting to Port Fourchon. Expected arrival is early tomorrow morning. As with recent cruises, on-board DO analysis was undertaken.

The CTD casts completed today are summarized in the table and shown in the figure, below

| Station       | Position from wellhead      | Fluorescence signal | Signa depth | Comments   |
|---------------|-----------------------------|---------------------|-------------|--|
| BM217<br>T3S5 | Bearing 197 deg.<br>155.2km | No signal           | 1671m       | No distinct DO sags observed in this station                               |
| BM218<br>T3S6 | Bearing 196 deg<br>135km    | No signal           | 1890m       | No distinct DO sags observed in this station<br>max depth with winch cable |

There was no indication of oil in the fluorometry data at any of the sites sampled. There were no DO anomaly levels observed on sites BM217 T3S5 & BM218 T3S6. At the site T3S7 the winch reached its maximum depth. Sea floor depth at T3S7 is unknown at present time. The signa depth column does not show the 20m depth needed to reach to the sea floor. Water sampler was always 20m off bottom.

Weather – partly cloudy, seas 1-2ft, isolated thundershowers in area

The following definition has been adopted to provide common terminology on how subsurface oil is referred to:

Oil Plume “Concentration of oil (above background) in the water column that appears to be part of a larger pattern of dispersed oil based on real-time fluorometry and LISS particle data analysis”.